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FILE 'HOME' ENTERED AT 11:23:21 ON 28 JUN 2006

=> fil .bec
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
       ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 11:23:37 ON 28 JUN 2006
ALL COPYRIGHTS AND RESTRICTIONS APPLY.  SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s dicarboxylic acid
FILE 'MEDLINE'
          5936 DICARBOXYLIC
       1409582 ACID
L1        2758 DICARBOXYLIC ACID
               (DICARBOXYLIC(W)ACID)

FILE 'SCISEARCH'
          8261 DICARBOXYLIC
       1134896 ACID
L2        4474 DICARBOXYLIC ACID
               (DICARBOXYLIC(W)ACID)

FILE 'LIFESCI'
          1312 "DICARBOXYLIC"
        302444 "ACID"
L3         985 DICARBOXYLIC ACID
               ("DICARBOXYLIC"(W)"ACID")

FILE 'BIOTECHDS'
           461 DICARBOXYLIC
        139129 ACID
L4         356 DICARBOXYLIC ACID
               (DICARBOXYLIC(W)ACID)

FILE 'BIOSIS'
          4699 DICARBOXYLIC
       1254290 ACID
L5        3102 DICARBOXYLIC ACID
               (DICARBOXYLIC(W)ACID)

FILE 'EMBASE'
          5206 "DICARBOXYLIC"
       1396178 "ACID"
L6        4367 DICARBOXYLIC ACID
               ("DICARBOXYLIC"(W)"ACID")

FILE 'HCAPLUS'
         62654 DICARBOXYLIC
       4167777 ACID
L7       37669 DICARBOXYLIC ACID
               (DICARBOXYLIC(W)ACID)

FILE 'NTIS'
           284 DICARBOXYLIC
         43990 ACID
L8           153 DICARBOXYLIC ACID
               (DICARBOXYLIC(W)ACID)
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FILE 'ESBIOBASE'
         1623 DICARBOXYLIC
       345424 ACID
L9       1146 DICARBOXYLIC ACID
                (DICARBOXYLIC(W)ACID)

FILE 'BIOTECHNO'
          930 DICARBOXYLIC
       349810 ACID
L10       751 DICARBOXYLIC ACID
                (DICARBOXYLIC(W)ACID)

FILE 'WPIDS'
        38823 DICARBOXYLIC
       953052 ACID
L11     31422 DICARBOXYLIC ACID
                (DICARBOXYLIC(W)ACID)

TOTAL FOR ALL FILES
L12     87183 DICARBOXYLIC ACID

=> s l12(8a)gene/q
FILE 'MEDLINE'
L13         20 L1 (8A)GENE/Q

FILE 'SCISEARCH'
L14         16 L2 (8A)GENE/Q

FILE 'LIFESCI'
L15         16 L3 (8A)GENE/Q

FILE 'BIOTECHDS'
L16         31 L4 (8A)GENE/Q

FILE 'BIOSIS'
L17         24 L5 (8A)GENE/Q

FILE 'EMBASE'
L18         14 L6 (8A)GENE/Q

FILE 'HCAPLUS'
L19         85 L7 (8A)GENE/Q

FILE 'NTIS'
L20          0 L8 (8A)GENE/Q

FILE 'ESBIOBASE'
L21         11 L9 (8A)GENE/Q

FILE 'BIOTECHNO'
L22         11 L10(8A)GENE/Q

FILE 'WPIDS'
L23         33 L11(8A)GENE/Q

TOTAL FOR ALL FILES
L24        261 L12(8A) GENE/Q

=> s l12(8a)microb?
FILE 'MEDLINE'
       537420 MICROB?
L25          3 L1 (8A)MICROB?

FILE 'SCISEARCH'
       141930 MICROB?
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L26           2 L2 (8A)MICROB?

FILE 'LIFESCI'
         56037 MICROB?
L27           4 L3 (8A)MICROB?

FILE 'BIOTECHDS'
         21206 MICROB?
L28           9 L4 (8A)MICROB?

FILE 'BIOSIS'
        463617 MICROB?
L29           8 L5 (8A)MICROB?

FILE 'EMBASE'
        100700 MICROB?
L30           2 L6 (8A)MICROB?

FILE 'HCAPLUS'
        429897 MICROB?
L31          58 L7 (8A)MICROB?

FILE 'NTIS'
         12841 MICROB?
L32           1 L8 (8A)MICROB?

FILE 'ESBIOBASE'
        262561 MICROB?
L33           0 L9 (8A)MICROB?

FILE 'BIOTECHNO'
         38419 MICROB?
L34           2 L10(8A)MICROB?

FILE 'WPIDS'
         50024 MICROB?
L35          27 L11(8A)MICROB?

TOTAL FOR ALL FILES
L36         116 L12(8A) MICROB?

=> s (l24 or l36) not 2003-2006/py
FILE 'MEDLINE'
       2108991 2003-2006/PY
                 (20030000-20069999/PY)
L37          18 (L13 OR L25) NOT 2003-2006/PY

FILE 'SCISEARCH'
       3861676 2003-2006/PY
                 (20030000-20069999/PY)
L38          13 (L14 OR L26) NOT 2003-2006/PY

FILE 'LIFESCI'
        351389 2003-2006/PY
L39          13 (L15 OR L27) NOT 2003-2006/PY

FILE 'BIOTECHDS'
         90994 2003-2006/PY
L40          22 (L16 OR L28) NOT 2003-2006/PY

FILE 'BIOSIS'
       1749059 2003-2006/PY
L41          26 (L17 OR L29) NOT 2003-2006/PY

FILE 'EMBASE'
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      1809766 2003-2006/PY
L42         13 (L18 OR L30) NOT 2003-2006/PY

FILE 'HCAPLUS'
      4008365 2003-2006/PY
L43         95 (L19 OR L31) NOT 2003-2006/PY

FILE 'NTIS'
        48776 2003-2006/PY
L44          1 (L20 OR L32) NOT 2003-2006/PY

FILE 'ESBIOBASE'
      1064975 2003-2006/PY
L45          5 (L21 OR L33) NOT 2003-2006/PY

FILE 'BIOTECHNO'
       122467 2003-2006/PY
L46         11 (L22 OR L34) NOT 2003-2006/PY

FILE 'WPIDS'
      3640505 2003-2006/PY
L47         36 (L23 OR L35) NOT 2003-2006/PY

TOTAL FOR ALL FILES
L48        253 (L24 OR L36) NOT 2003-2006/PY

=> dup rem l48
PROCESSING COMPLETED FOR L48
L49         151 DUP REM L48 (102 DUPLICATES REMOVED)

=> d tot

L49   ANSWER 1 OF 151  BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI    Novel polynucleotide encoding CYTb5 protein, useful for producing the
      protein and for increasing the production of dicarboxylic acid;
         recombinant enzyme gene production, vector expression in host cell,
         and polymerase chain reaction useful for the production of
         dicarboxylic acid
AU    CRAFT D L; MADDURI K M; LOPER J C
AN    2002-12595  BIOTECHDS
PI    WO 2002008413 31 Jan 2002

L49   ANSWER 2 OF 151  BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI    Preparing dodecyl-1,12-bicarboxylic acid from n-tetradecane comprises
      microbial synchronous fermentation;
         C-acid preparation by yeast synchronous fermentation
AU    CHEN Y; HAO X
AN    2003-25933  BIOTECHDS
PI    CN 1369564 18 Sep 2002

L49  ANSWER 3 OF 151  HCAPLUS  COPYRIGHT 2006 ACS on STN
TI   In vivo temporal sequence of rat striatal glutamate, aspartate and
     dopamine efflux during apomorphine, nomifensine, NMDA and PDC in situ
     administration
SO   Neuropharmacology (2002), 43(5), 825-835
     CODEN: NEPHBW; ISSN: 0028-3908
AU   Bert, L.; Parrot, S.; Robert, F.; Desvignes, C.; Denoroy, L.;
     Suaud-Chagny, M.-F.; Renaud, B.
AN   2002:785924  HCAPLUS
DN   138:297517

L49  ANSWER 4 OF 151  BIOSIS  COPYRIGHT (c) 2006 The Thomson Corporation  on
     STN
TI   Identification and characterization of the genes involved in the
     degradation of the dicarboxylic acid, pimelate, in
```

Rhodopseudomonas palustris.
SO Abstracts of the General Meeting of the American Society for Microbiology, (2002) Vol. 102, pp. 384. print.
Meeting Info.: 102nd General Meeting of the American Society for Microbiology. Salt Lake City, UT, USA. May 19-23, 2002. American Society for Microbiology.
ISSN: 1060-2011.
AU Harrison, F. H. [Reprint author]; Harwood, C. S. [Reprint author]
AN 2002:616953 BIOSIS

L49 ANSWER 5 OF 151 MEDLINE on STN DUPLICATE 1
TI A study of the effects on the symbiotic nitrogen fixation of Sinorhizobium fredii with the introduction of dctABD and nifA genes.
SO Yi chuan xue bao = Acta genetica Sinica, (2002 Feb) Vol. 29, No. 2, pp. 181-8.
Journal code: 7900784. ISSN: 0379-4172.
AU Li You-Guo; Zhou Jun-Chu
AN 2002170464 MEDLINE

L49 ANSWER 6 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New human dihydropyridine dicarboxylic acid dehydrogenase-18 and encoded polynucleotide, applicable in diagnosis and treatment of malignant tumor, hemopathy, human immunodeficiency virus infection, immunological diseases and inflammations;
vector expression in host cell for disease therapy, diagnosis and gene therapy
AU Mao Y; Xie Y
AN 2002-01743 BIOTECHDS
PI WO 2001070994 27 Sep 2001

L49 ANSWER 7 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Novel isolated nucleic acid encoding cytochrome P450 and NADPH reductase enzymes of omega-hydroxylase complex of Candida tropicalis, useful for increasing production of dicarboxylic acids;
cytochrome-P450 and NADHP-reductase CYP52A2A protein production by vector expression in host cell for dicarboxylic acid production
AU WILSON C R; CRAFT D L; EIRICH L D; ESHOO M; MADDURI K M; CORNETT C A; BRENNER A A; TANG M; LOPER J C; GLEESON M
AN 2002-06912 BIOTECHDS
PI US 6331420 18 Dec 2001

L49 ANSWER 8 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Method for detecting mismatched base pairs such as guanine-guanine in DNA and RNA;
mimetic base preparation and immobilization for nucleic acid mutation detection
AU Nakatani K; Saito I; Sando S
AN 2001-13391 BIOTECHDS
PI WO 2001038571 31 May 2001

L49 ANSWER 9 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Method using a mono- or diester of a α,ω-dicarboxylic acid for treatment of dermatological disorders
SO U.S., 12 pp., Cont.-in-part of Appl. No. PCT/IB97/01428.
CODEN: USXXAM
IN Tamarkin, Dov
AN 2001:73543 HCAPLUS
DN 134:125967

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6180669	B1	20010130	US 1999-286236	19990405
WO 9820834	A2	19980522	WO 1997-IB1428	19971112
WO 9820834	A3	19981126		

PI
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC,

LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

L49 ANSWER 10 OF 151 MEDLINE on STN DUPLICATE 4
TI Cloning and genetic characterization of dca genes required for beta-oxidation of straight-chain dicarboxylic acids in Acinetobacter sp. strain ADP1.
SO Applied and environmental microbiology, (2001 Oct) Vol. 67, No. 10, pp. 4817-27.
Journal code: 7605801. ISSN: 0099-2240.
AU Parke D; Garcia M A; Ornston L N
AN 2001524029 MEDLINE

L49 ANSWER 11 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Repression of fatty-acyl-coA-oxidase-encoding gene expression is not necessarily a determinant of high-level production of dicarboxylic acids in industrial dicarboxylic-acid-producing Candida tropicalis; dicarboxylic acid production
SO Appl.Microbiol.Biotechnol.; (2001) 56, 3-4, 478-85
CODEN: EJABDD ISSN: 0175-7598
AU Hara A; Ueda M; Matsui T; Arie M; Saeki H; Matsuda H; Furuhashi K; Kanai T; *Tanaka A
AN 2001-11264 BIOTECHDS

L49 ANSWER 12 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI An improved method for preparing dimethyl cyclohepta-1,3,5-triene-3,4-dicarboxylate
SO Synthetic Communications (2001), 31(3), 387-393
CODEN: SYNCAV; ISSN: 0039-7911
AU Oda, Mitsunori; Hayashi, Shuichi; Zuo, Shengli; Miyatake, Ryuta; Kuroda, Shigeyasu; Morita, Noboru; Asao, Toyonobu
AN 2001:455235 HCAPLUS
DN 135:210764

L49 ANSWER 13 OF 151 MEDLINE on STN DUPLICATE 5
TI Novel and convenient methods for Candida tropicalis gene disruption using a mutated hygromycin B resistance gene.
SO Archives of microbiology, (2001 Nov) Vol. 176, No. 5, pp. 364-9.
Journal code: 0410427. ISSN: 0302-8933.
AU Hara A; Arie M; Kanai T; Matsui T; Matsuda H; Furuhashi K; Ueda M; Tanaka A
AN 2001648937 MEDLINE

L49 ANSWER 14 OF 151 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Cloning and mutational analysis of a gene, dctA, encoding a dicarboxylic acid transport protein from a biological control bacterium Pseudomonas chlororaphis O6.
SO Phytopathology, (June, 2001) Vol. 91, No. 6 Supplement, pp. S48-S49. print.
Meeting Info.: Joint Meeting of the American Phytopathological Society, the Mycological Society of America, and the Society of Nematologists. Salt Lake City, Utah, USA. August 25-29, 2001. American Phytopathological Society; Mycological Society of America; Society of Nematologists.
CODEN: PHYTAJ. ISSN: 0031-949X.
AU Kim, Y. C. [Reprint author]; Anderson, A. J.
AN 2001:404190 BIOSIS

L49 ANSWER 15 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Detection of turning time from microbe growth to fermentation in production of long-chain dicarboxylic acid

SO Shiyou Lianzhi Yu Huagong (2001), 32(8), 19-21
CODEN: SLYHEE; ISSN: 1005-2399
AU Dong, Mingyou; Yan, Yimin; Yang, Dong; Yuan, Chunfu
AN 2001:719322 HCAPLUS
DN 136:215496

L49 ANSWER 16 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Spontaneous mutations affecting transcriptional regulation by protocatechuate in Acinetobacter
SO FEMS Microbiology Letters (2001), 201(1), 15-19
CODEN: FMLED7; ISSN: 0378-1097
AU D'Argenio, D. A.; Segura, A.; Bunz, P. V.; Ornston, L. N.
AN 2001:483537 HCAPLUS
DN 136:178731

L49 ANSWER 17 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Hygromycin-tolerant gene with CTG codon modified into leucine codon, applicable as selection marker in yeast of Candida genus providing transformants for efficient production of e.g. dicarboxylic acid; plasmid pUCARS-HGM-mediated gene transfer and expression in Candida tropicalis
AU Tanaka A; Ueda M; Hara A; Misawa A
AN 2001-04352 BIOTECHDS
PI WO 2000075307 14 Dec 2000

L49 ANSWER 18 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New alpha-hydroxy-gamma-carboxymuconic-acid-eta-semialdehyde-dehydrogenase for industrial production of 2-pyrone-4,6-dicarboxylic acid;
Sphingomonas sp. recombinant enzyme production via vector plasmid pCHMS01-mediated gene transfer and expression in Escherichia coli
AU Masai E; Fukuda M; Katayama Y; Nishikawa S; Hotta Y
AN 2000-05173 BIOTECHDS
PI WO 2000004134 27 Jan 2000

L49 ANSWER 19 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Process for producing alpha, omega-long chain dicarboxylic acid by using microorganism fermentation
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
CODEN: CNXXEV
IN Liu, Shuchen; Li, Shulan; Fang, Xiangchen; Dong, Mingyou
AN 2001:36231 HCAPLUS
DN 134:70417

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN 1257126	A	20000621	CN 1998-121084	19981216
CN 1067725	B	20010627		

L49 ANSWER 20 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI New DNA encoding glutamate-malate transporter, useful for producing transgenic plants with altered nitrogen metabolism, particularly increased protein content.
PI WO 2000031281 A2 20000602 (200035)* GE 40 C12N015-82
RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
W: AU CA IL JP RU US
AU 2000015554 A 20000613 (200043) C12N015-82
DE 19853778 C1 20000921 (200047) C12N015-29
EP 1135510 A2 20010926 (200157) GE C12N015-82
R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
IN DRESSEN, U; FLUEGGE, U; WEBER, A; WESTHOFF, P

L49 ANSWER 21 OF 151 MEDLINE on STN DUPLICATE 6
TI Improvement of nitrogen fixation efficiency and plasmid stability in Bradyrhizobium japonicum by the introduction of dctABD and parCBA/DE genes.

SO Yi chuan xue bao = Acta genetica Sinica, (2000) Vol. 27, No. 8, pp. 742-50.
Journal code: 7900784. ISSN: 0379-4172.
AU Li Y G; Li J; Liu M Q; Zhou J C
AN 2000505618 MEDLINE

L49 ANSWER 22 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Fermentation of decane 1,10-dicarboxylic acid (DC12)
SO Shengwu Gongcheng Xuebao (2000), 16(2), 198-202
CODEN: SGXUED; ISSN: 1000-3061
AU Ren, Gang; Chen, Yuang-Tong
AN 2000:304920 HCAPLUS
DN 133:221652

L49 ANSWER 23 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Introduction of dctABD genes into Sinorhizobium fredii and its effect on symbiotic nitrogen fixation efficiency
SO Gaojishu Tongxun (2000), 10(5), 1-7
CODEN: GTONE8; ISSN: 1002-0470
AU Li, Youguo; Li, Jie; Liu, Moqing; Zhou, Minjiang; Zhou, Junchu
AN 2000:430399 HCAPLUS
DN 134:39597

L49 ANSWER 24 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI The gene for mouse metabotropic glutamate receptor mGluR5 associated with sensitivity to CNS depressants and its use in identification of new depressants
SO PCT Int. Appl., 129 pp.
CODEN: PIXXD2
IN Johnson, Thomas E.; Sikela, James M.; Simpson, Victoria J.; Rikke, Brad A.
AN 1999:495390 HCAPLUS
DN 131:125921

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9938975	A2	19990805	WO 1999-US2033	19990129
WO 9938975	A3	19990923		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9924869	A1	19990816	AU 1999-24869	19990129

L49 ANSWER 25 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Cloning and cDNA sequence of human excitatory amino acid transporter
SO U.S., 40 pp., Cont.-in-part of U.S. 5,658,782.
CODEN: USXXAM
IN Amara, Susan G.; Arriza, Jeffrey L.; Eliasof, Scott; Kavanaugh, Michael P.
AN 1999:193832 HCAPLUS
DN 130:219172

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 5882926	A	19990316	US 1997-948569	19971010
US 5658782	A	19970819	US 1993-140729	19931020
US 5989825	A	19991123	US 1998-188469	19981109
US 6284505	B1	20010904	US 1999-397238	19990916

L49 ANSWER 26 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Timber preservation agent preventing decay of timber from microbes - contains metal salt of unsaturated dicarboxylic acid and ammonia or water soluble amine.

PI JP 11189504 A 19990713 (200005)* 4 A01N037-06

L49 ANSWER 27 OF 151 MEDLINE on STN DUPLICATE 7
TI Studies on microbial production of undecane 1, 11-dicarboxylic acid from N-tridecane.
SO Wei sheng wu xue bao = Acta microbiologica Sinica, (1999 Jun) Vol. 39, No. 3, pp. 279-81.
Journal code: 21610860R. ISSN: 0001-6209.
AU Chen Y; Pang Y; Hao X
AN 2003046667 MEDLINE

L49 ANSWER 28 OF 151 MEDLINE on STN DUPLICATE 8
TI Genetic and biochemical characterization of a 2-pyrone-4, 6-dicarboxylic acid hydrolase involved in the protocatechuate 4, 5-cleavage pathway of Sphingomonas paucimobilis SYK-6.
SO Journal of bacteriology, (1999 Jan) Vol. 181, No. 1, pp. 55-62.
Journal code: 2985120R. ISSN: 0021-9193.
AU Masai E; Shinohara S; Hara H; Nishikawa S; Katayama Y; Fukuda M
AN 1999084939 MEDLINE

L49 ANSWER 29 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Increasing the production of long-chain dicarboxylic acid by metabolic network analysis
SO Nanjing Huagong Daxue Xuebao (1999), 21(3), 6-9
CODEN: NHDXFB
AU Lin, Rongsheng; Zhu, Tao; Cao, Zhu'an
AN 1999:485681 HCAPLUS
DN 131:285476

L49 ANSWER 30 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI New renal organic anion transporter protein; vector-mediated gene transfer and expression in host cell, DNA probe and antibody, used for nephrotoxicity drug screening
AU Endou H; Kanai Y; Hosoyamada M
AN 1999-02096 BIOTECHDS
PI WO 9853064 26 Nov 1998

L49 ANSWER 31 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI New xantioxidase inhibitors - based on microbiological 1,6-diamino-dibenzofurane-2,7-dicarboxylic acid, its salts and esters.
PI HU 9700652 A1 19981028 (199850)* 1 C07D307-91
IN AMBRUS, G; HORVATH, G; JEKKEL, A; KONYA, A; MAKK, N; SALAT, J; SZABO, I M; SZELECZKY, Z; TOTH, G

L49 ANSWER 32 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of fragrances - production of dicarboxylic acids by fermentation and their use for synthesis of macrocyclic musk compounds
SO Kagaku Kogaku (1998), 62(10), 565-567
CODEN: KKGKA4; ISSN: 0375-9253
AU Furuhashi, Keizo
AN 1998:647502 HCAPLUS
DN 129:301700

L49 ANSWER 33 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis of monoesters of N-protected α-aminodicarboxylic acids via the microbial protease-catalyzed regioselective hydrolysis of their diesters
SO Biotechnology Techniques (1998), 12(6), 431-434
CODEN: BTECE6; ISSN: 0951-208X
AU Miyazawa, Toshifumi; Ogura, Motoji; Nakajo, Shin'ichi; Yamada, Takashi
AN 1998:537332 HCAPLUS
DN 129:245446

L49 ANSWER 34 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN

TI HPLC analysis of quinolinic acid, a NAD biosynthesis intermediate, after fluorescence derivatization in an aqueous matrix
SO Microbios (1998), 94(379), 167-181
CODEN: MCBIA7; ISSN: 0026-2633
AU Xia, Chunsheng; Dang, Yuhong; Brown, Olen R.
AN 1998:688093 HCAPLUS
DN 130:49338

L49 ANSWER 35 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Method for producing undecane-1,11-bicarboxylic acid by microorganism fermenting synchronously;
involving Candida tropicalis culture medium optimization
AU CHEN Y; PANG Y; HAO X
AN 2003-23207 BIOTECHDS
PI CN 1162644 22 Oct 1997

L49 ANSWER 36 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Ceramic filter in oil-water two phase microbial reaction
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
IN Kobayashi, Toshihito; Kamimura, Naohisa
AN 1997:172382 HCAPLUS
DN 126:170522

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 09009981	A2	19970114	JP 1995-183265	19950628

L49 ANSWER 37 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Microbial transformation of dibenzothiophene and 4,6-dimethyldibenzothiophene
SO Microbiology (Moscow)(Translation of Mikrobiologiya) (1997), 66(4), 402-407
CODEN: MIBLAO; ISSN: 0026-2617
AU Finkel'stein, Z. I.; Baskunov, B. P.; Vavilova, L. N.; Golovleva, L. A.
AN 1997:544437 HCAPLUS
DN 127:259879

L49 ANSWER 38 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Production of long chain alpha, omega-dicarboxylic acid by synchronous fermentation of microbe;
Candida tropicalis co-culture
AU Chen Y; Hao X
AN 1998-02906 BIOTECHDS
PI CN 1130685 11 Sep 1996

L49 ANSWER 39 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Molecular cloning and functional expression of a sodium-dicarboxylate cotransporter from human kidney
SO American Journal of Physiology (1996), 270(4, Pt. 2), F642-F648
CODEN: AJPHAP; ISSN: 0002-9513
AU Pajor, Ana M.
AN 1996:266764 HCAPLUS
DN 124:336127

L49 ANSWER 40 OF 151 MEDLINE on STN DUPLICATE 10
TI Intraseptal administration of (1S,3R)-1-aminocyclopentane-1,3-dicarboxylic acid induces immediate early gene expression in lateral septal neurons.
SO Brain research, (1996 Feb 19) Vol. 709, No. 2, pp. 205-14.
Journal code: 0045503. ISSN: 0006-8993.
AU Kaatz K W; Albin R L
AN 96430632 MEDLINE

L49 ANSWER 41 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Modular structure of the Rhizobium meliloti DctB protein

SO FEMS Microbiology Letters (1996), 139(1), 19-25
CODEN: FMLED7; ISSN: 0378-1097
AU Giblin, Linda; Archdeacon, John; O'Gara, Fergal
AN 1996:347788 HCAPLUS
DN 125:29062

L49 ANSWER 42 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Increasing occupancy of plant nodules;
Rhizobium meliloti and Bradyrhizobium japonicum strain improvement, for application in improved nitrogen-fixation
AU Ronson C W; Kwiatkowski R W
AN 1995-10913 BIOTECHDS
PI US 5427785 27 Jun 1995

L49 ANSWER 43 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI N-Acylpiperidine tachykinin antagonists
SO PCT Int. Appl., 91 pp.
CODEN: PIXXD2
IN MacCoss, Malcolm; Mills, Sander G.
AN 1995:994334 HCAPLUS
DN 124:55803

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9522525	A1	19950824	WO 1995-US1800	19950213
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SI, SK, TJ, TT, UA, US, UZ				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5610165	A	19970311	US 1994-198025	19940217
AU 9518429	A1	19950904	AU 1995-18429	19950213

L49 ANSWER 44 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Optically active di carboxylic acid production - comprises reacting unsatd. di carboxylic acid with Arthrobacter genus microbes..
PI JP 07031486 A 19950203 (199515)* 4 C12P007-46

L49 ANSWER 45 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Protein crosslinking studies suggest that Rhizobium meliloti C4-dicarboxylic acid transport protein D, a σ54-dependent transcriptional activator, interacts with σ54 and the β subunit of RNA polymerase
SO Proceedings of the National Academy of Sciences of the United States of America (1995), 92(21), 9702-6
CODEN: PNASA6; ISSN: 0027-8424
AU Lee, Joon H.; Hoover, Timothy R.
AN 1995:874523 HCAPLUS
DN 123:278002

L49 ANSWER 46 OF 151 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 12
TI PHOTOREACTIVE CHOLESTERIC POLYESTERS DERIVED FROM 4-CARBOXYCINNAMIC ACID AND NOVEL CHIRAL SPACERS
SO MACROMOLECULES, (17 JUL 1995) Vol. 28, No. 15, pp. 5306-5311.
ISSN: 0024-9297.
AU STUMPE J (Reprint); ZIEGLER A; BERGHAHN M; KRICHELDORF H R
AN 1995:491117 SCISEARCH

L49 ANSWER 47 OF 151 LIFESCI COPYRIGHT 2006 CSA on STN DUPLICATE 13
TI Studies on microbial production of tridecane 1,13-dicarboxylic acid (DC sub(15)) from n-pentadecane (nc sub(15))
SO ACTA MICROBIOL. SIN., (1995) vol. 35, no. 6, pp. 433-437.
ISSN: 0001-6209.

AU Yuantong, Chen; Xiuzhen, Hao; Yuechuan, Pang
AN 96:118920 LIFESCI

L49 ANSWER 48 OF 151 MEDLINE on STN DUPLICATE 14
TI Rhizobium leguminosarum nodulation gene (nod) expression is lowered by an allele-specific mutation in the dicarboxylate transport gene dctB.
SO Microbiology (Reading, England), (1995 Jan) Vol. 141 (Pt 1), pp. 103-11. Journal code: 9430468. ISSN: 1350-0872.
AU Mavridou A; Barny M A; Poole P; Plaskitt K; Davies A E; Johnston A W; Downie J A
AN 95202068 MEDLINE

L49 ANSWER 49 OF 151 MEDLINE on STN DUPLICATE 15
TI Signal transduction in the Rhizobium meliloti dicarboxylic acid transport system.
SO FEMS microbiology letters, (1995 Feb 1) Vol. 126, No. 1, pp. 25-30. Journal code: 7705721. ISSN: 0378-1097.
AU Giblin L; Boesten B; Turk S; Hooykaas P; O'Gara F
AN 95203660 MEDLINE

L49 ANSWER 50 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation and properties of thermoplastic elastomeric polyamide-polyester-polyoxyalkylenes
SO Eur. Pat. Appl., 28 pp.
CODEN: EPXXDW
IN Kirikihira, Isamu; Yamakawa, Hiroshi; Kubo, Yuji
AN 1995:520290 HCAPLUS
DN 122:266362

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 608976	A1	19940803	EP 1994-300121	19940107
EP 608976	B1	19971112		
R: DE, FR, GB, IT, NL				
JP 06207007	A2	19940726	JP 1993-2055	19930108
JP 3324170	B2	20020917		
JP 06207005	A2	19940726	JP 1993-2056	19930108
JP 3324171	B2	20020917		
JP 06279583	A2	19941004	JP 1993-66716	19930325
JP 3257127	B2	20020218		
US 5811495	A	19980922	US 1996-695517	19960812

L49 ANSWER 51 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Method for preparing long chain α, ω- dicarboxylic acid via microbiological fermentation in normal alkane
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
CODEN: CNXXEV
IN Chen, Yuantong; Liu, Ting; Pang, Yuechuan
AN 1995:380442 HCAPLUS
DN 122:131185

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1092108	A	19940914	CN 1994-100594	19940128
CN 1030146	B	19951025		
WO 9521145	A2	19950810	WO 1995-IB93	19950127
WO 9521145	A3	19950824		
W: AM, AU, BB, BG, BR, BY, CZ, EE, FI, GE, HU, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SI, SK, TJ, TT, UA, US, UZ, VN				
RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9515446	A1	19950821	AU 1995-15446	19950127

L49 ANSWER 52 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Fertiliser for improving the growth of rice seedlings.

PI CN 1081433 A 19940202 (199521)* C05G003-00
IN SONG, S; WANG, Y; WU, Y

L49 ANSWER 53 OF 151 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Alfalfa yield response to inoculation with recombinant strains of Rhizobium meliloti with an extra copy of dctABD and/or modified nifA expression.
SO Applied and Environmental Microbiology, (1994) Vol. 60, No. 10, pp. 3815-3832.
CODEN: AEMIDF. ISSN: 0099-2240.
AU Bosworth, Andrew H.; Williams, Mark K.; Albrecht, Kenneth A.; Kwiatkowski, Robert; Beynon, Jim; Hankinson, Thomas R.; Ronson, Clive W.; Cannon, Frank; Wacek, Thomas J.; Triplett, Eric W. [Reprint author]
AN 1994:526513 BIOSIS

L49 ANSWER 54 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Analysis of the Escherichia coli genome. V. DNA sequence of the region from 76.0 to 81.5 minutes
SO Nucleic Acids Research (1994), 22(13), 2576-86
CODEN: NARHAD; ISSN: 0305-1048
AU Sofia, Heidi J.; Burland, Valerie; Daniels, Donna L.; Plunkett, Guy, III; Blattner, Frederick R.
AN 1994:694082 HCAPLUS
DN 121:294082

L49 ANSWER 55 OF 151 LIFESCI COPYRIGHT 2006 CSA on STN DUPLICATE 16
TI Studies on microbial production of tetradecane 1,14-dicarboxylic acid (DC sub(16)) from hexadecane (nC sub(16))
SO ACTA MICROBIOL. SIN., (1994) vol. 34, no. 4, pp. 301-304.
ISSN: 0001-6209.
AU Yuantong, Chen; Xiuzhen, Hao
AN 96:21360 LIFESCI

L49 ANSWER 56 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Liquid-crystalline polyester-amides with good toughness and manufacture thereof
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
IN Shirahama, Rie; Kidai, Osamu; Sakata, Yasuyuki
AN 1993:604140 HCAPLUS
DN 119:204140

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 05043685	A2	19930223	JP 1991-208315	19910820
JP 3092226	B2	20000925		

L49 ANSWER 57 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of 6-hydroxy pyridines or pyrazines by microbial hydroxylation
SO Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
IN Yasuda, Mari; Ohkishi, Haruyuki; Sato, Katsutoshi; Morimoto, Yuuki; Nagasawa, Toru
AN 1993:648182 HCAPLUS
DN 119:248182

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 558022	A2	19930901	EP 1993-103038	19930226
EP 558022	A3	19940803		
EP 558022	B1	19960612		
R: CH, DE, FR, GB, IT, LI				
JP 05304972	A2	19931119	JP 1992-77461	19920331
JP 3275353	B2	20020415		
CN 1079991	A	19931229	CN 1993-103482	19930226

CN 1051803 B 20000426
US 5436145 A 19950725 US 1994-246570 19940520

L49 ANSWER 58 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Negative regulation of σ54-dependent dctA expression by the transcriptional activator DctD
SO Journal of Bacteriology (1993), 175(9), 2674-81
CODEN: JOBAAY; ISSN: 0021-9193
AU Labes, Monika; Finan, Turlough M.
AN 1993:422189 HCAPLUS
DN 119:22189

L49 ANSWER 59 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Symbiotic nitrogen fixation by a nifA deletion mutant of Rhizobium meliloti: The role of an unusual ntrC allele
SO Journal of Bacteriology (1993), 175(9), 2662-73
CODEN: JOBAAY; ISSN: 0021-9193
AU Labes, Monkia; Rastogi, Vipin; Watson, Robert; Finan, Turlough M.
AN 1993:422188 HCAPLUS
DN 119:22188

L49 ANSWER 60 OF 151 MEDLINE on STN DUPLICATE 17
TI Relationships between C4 dicarboxylic acid transport and chemotaxis in Rhizobium meliloti.
SO Journal of bacteriology, (1993 Apr) Vol. 175, No. 8, pp. 2284-91.
Journal code: 2985120R. ISSN: 0021-9193.
AU Robinson J B; Bauer W D
AN 93224450 MEDLINE

L49 ANSWER 61 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Characterization of environmental regulators of Bordetella pertussis
SO Infection and Immunity (1993), 61(3), 807-15
CODEN: INFIBR; ISSN: 0019-9567
AU Melton, Angela R.; Weiss, Alison Ann
AN 1993:229897 HCAPLUS
DN 118:229897

L49 ANSWER 62 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Construction and properties of Escherichia coli mutants defective in two genes encoding homologous membrane proteins with putative roles in anaerobic C4-dicarboxylic acid transport
SO Biochemical Society Transactions (1993), 21(4), 342S
CODEN: BCSTB5; ISSN: 0300-5127
AU Six, Stephan; Andrews, Simon C.; Roberts, Ruth E.; Unden, Gottfried; Guest, John R.
AN 1993:618918 HCAPLUS
DN 119:218918

L49 ANSWER 63 OF 151 MEDLINE on STN DUPLICATE 18
TI The Escherichia coli cAMP receptor protein (CRP) represses the Rhizobium meliloti dctA promoter in a cAMP-dependent fashion.
SO Molecular microbiology, (1993 Apr) Vol. 8, No. 2, pp. 253-9.
Journal code: 8712028. ISSN: 0950-382X.
AU Wang Y P; Giblin L; Boesten B; O'Gara F
AN 93302501 MEDLINE

L49 ANSWER 64 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Manufacture of benzenedicarboxylic acid monoester (derivatives) with microorganisms or their preparations from diesters
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
IN Yanai, Takaaki; Tsunekawa, Hiroshi; Okamura, Kazuhiko; Okamoto, Rokuro
AN 1992:590295 HCAPLUS
DN 117:190295
PATENT NO. KIND DATE APPLICATION NO. DATE

PI	JP 04158789	A2	19920601	JP 1990-285619	19901023
	JP 2946472	B2	19990906		

L49 ANSWER 65 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Prepn of 2-hydroxy benzene-1,4-di carboxylic acid - by subjecting new 1,2-di hydroxy cyclo hexa-3,5-diene-1,4-di carboxylic acid to acid or base catalysed dehydration.
PI US 5124479 A 19920623 (199228)* 3 C07C065-01
IN HAGEDORN, S; RUPPEN, M E

L49 ANSWER 66 OF 151 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI KS-505A A HIGHLY POTENT AND SELECTIVE INHIBITOR OF BRAIN CALCIUM CALMODULIN-DEPENDENT CYCLIC NUCLEOTIDE PHOSPHODIESTERASE.
SO FASEB Journal, (1992) Vol. 6, No. 5, pp. A1846.
Meeting Info.: 1992 MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY (FASEB), PART II, ANAHEIM, CALIFORNIA, USA, APRIL 5-9, 1992. FASEB (FED AM SOC EXP BIOL) J.
CODEN: FAJOEC. ISSN: 0892-6638.
AU KASE H [Reprint author]; YOSHIZAKI R; ICHIMURA M; OSAWA K; NAKANISHI S; MATSUDA Y
AN 1992:314284 BIOSIS

L49 ANSWER 67 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Microbial production of pentadecane 1,15-dicarboxylic acid (DC17) from heptadecane (nC17)
SO Weishengwu Xuebao (1992), 31(6), 454-9
CODEN: WSHPA8; ISSN: 0001-6209
AU Chen, Yuantong; Pang, Yuechuan; Hao, Xiuzhen; Lu, Aiyan
AN 1992:254035 HCAPLUS
DN 116:254035

L49 ANSWER 68 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Method for increasing omega-hydroxylase activity; cytochrome-P450-ALK1, cytochrome-P450-ALK2 and/or cytochrome-P450-RED gene cloning in Candida tropicalis via gene disruption; gene dosage effect; alpha,omega-dicarboxylic acid production
AN 1992-00388 BIOTECHDS
PI WO 9114781 3 Oct 1991

L49 ANSWER 69 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI DNA encoding genes which complement dicarboxylic acid transport; useful in bacterial hosts e.g. Rhizobium meliloti, Rhizobium leguminosarum and Brevibacterium japonicum for increasing nitrogen-fixation of legume; plasmid pRK290:4:46
AN 1992-03853 BIOTECHDS
PI US 5077209 31 Dec 1991

L49 ANSWER 70 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Fatty acid oxidation-deficient Candida tropicalis
SO PCT Int. Appl., 46 pp.
CODEN: PIXXD2
IN Picataggio, Stephen; Deanda, Kristine; Eirich, L. Dudley
AN 1991:425930 HCAPLUS
DN 115:25930

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9106660	A1	19910516	WO 1990-US6427	19901106
W: AU, CA, FI, JP, KR, SU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
US 5254466	A	19931019	US 1989-432091	19891106
ZA 9008653	A	19910828	ZA 1990-8653	19901029

CA 2072977	AA	19910507	CA 1990-2072977	19901106
AU 9067414	A1	19910531	AU 1990-67414	19901106
EP 499622	A1	19920826	EP 1990-917626	19901106
EP 499622	B1	19940831		
R: DE, FR, GB				
JP 05501501	T2	19930325	JP 1991-500500	19901106
JP 3023984	B2	20000321		
JP 3023984	B2	20000321	JP 1990-500500	19901106

L49 ANSWER 71 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI New pseudomonas strain microbe - used to prepare 2,6-naphthalene di carboxylic acid from 2,6-di methyl-naphthalene.
PI JP 03080091 A 19910404 (199120)*

L49 ANSWER 72 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Purification, characterization and nucleotide sequence of the periplasmic C4-dicarboxylate-binding protein (DctP) from Rhodobacter capsulatus
SO Molecular Microbiology (1991), 5(12), 3055-62
CODEN: MOMIEE; ISSN: 0950-382X
AU Shaw, J. G.; Hamblin, M. J.; Kelly, D. J.
AN 1993:119099 HCAPLUS
DN 118:119099

L49 ANSWER 73 OF 151 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI CHEMOTAXIS OF BRADYRHIZOBIUM-JAPONICUM TO SOYBEAN EXUDATES.
SO Applied and Environmental Microbiology, (1991) Vol. 57, No. 9, pp. 2635-2639.
CODEN: AEMIDF. ISSN: 0099-2240.
AU BARBOUR W M [Reprint author]; HATTERMANN D R; STACEY G
AN 1991:508273 BIOSIS

L49 ANSWER 74 OF 151 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 21
TI STIMULATION OF NORMAL-ALKANE CONVERSION TO DICARBOXYLIC-ACID BY ORGANIC-SOLVENT-TREATED AND DETERGENT-TREATED MICROBES
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (MAR 1991) Vol. 34, No. 6, pp. 772-777.
ISSN: 0175-7598.
AU CHAN E C (Reprint); KUO J; LIN H P; MOU D G
AN 1991:185321 SCISEARCH

L49 ANSWER 75 OF 151 LIFESCI COPYRIGHT 2006 CSA on STN DUPLICATE 22
TI Studies on microbial production of pent adecane 1,15-dicarboxylic acid (DC sub(17)) from heptadecane (nC sub(17))
SO ACTA MICROBIOL. SIN., (1991) vol. 31, no. 6, pp. 454-459.
ISSN: 0001-6209.
AU Yuantong, Chen; Yuechuan, Pang; Xiuzhen, Hao; Aiyan, Lu
AN 94:98985 LIFESCI

L49 ANSWER 76 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Microbial production of dicarboxylic acid;
using Candida cloacae (conference abstract)
SO INFORM; (1991) 2, 4, 368,370
AU Casey J; Lindner N; Poels E
AN 1991-07026 BIOTECHDS

L49 ANSWER 77 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Epoxy resin compositions for flexible sealing materials
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
IN Watanabe, Jiro; Yamaguchi, Kiyohiro; Kobayashi, Toshio
AN 1991:658451 HCAPLUS

DN 115:258451

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 02206675	A2	19900816	JP 1989-25311	19890203
JP 2790301	B2	19980827		

L49 ANSWER 78 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Pyridine-2,3-dicarboxylic acid manufacture with Pseudomonas or recombinant Escherichia coli
SO Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
IN Roehl, Randall A.; Matcham, George W.; Stirling, David I.
AN 1991:469948 HCAPLUS
DN 115:69948

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 390102	A2	19901003	EP 1990-105892	19900328
EP 390102	A3	19920226		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5166060	A	19921124	US 1989-332339	19890331
CA 2012680	AA	19900930	CA 1990-2012680	19900321
AU 9052416	A1	19901004	AU 1990-52416	19900330
JP 03218358	A2	19910925	JP 1990-84747	19900330

L49 ANSWER 79 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Oligopeptide(s) having antiviral and antitumour activity - containing heterocyclic units and positively charged terminal gps..
PI US 4912199 A 19900327 (199018)*
CA 1308516 C 19921006 (199246)# C07K007-06
IN KROWICKI, K; LOWN, J W

L49 ANSWER 80 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Dicarboxylic acid transport and regulation of nitrogen fixation in Rhizobium meliloti
SO Biochemical Society Transactions (1990), 18(2), 359-60
CODEN: BCSTB5; ISSN: 0300-5127
AU Noonan, Brian; Birkenhead, Kate; Wang, Yiping; Boesten, Bert; Dobson, Alan; O'Gara, Fergal
AN 1990:195080 HCAPLUS
DN 112:195080

L49 ANSWER 81 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Microbial production of industrial chemicals: basic features of dicarboxylic acid production by yeasts
SO Forum Mikrobiologie (1990), 13(5), 274-81
CODEN: FOMID4; ISSN: 0170-8244
AU Schindler, J.; Meussdoerffer, F.; Giesel-Buehler, H.
AN 1990:530607 HCAPLUS
DN 113:130607

L49 ANSWER 82 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Dicarboxylic acid-glycol oligoesters as microbicides for foods and cosmetics
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
IN Takagi, Yoshiaki; Tokunaga, Hisatoku; Uejima, Takuo; Ono, Takeshi; Taoka, Ei; Watanabe, Akio
AN 1989:613620 HCAPLUS
DN 111:213620

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 01075420	A2	19890322	JP 1987-234139	19870918

L49 ANSWER 83 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Dicarboxylic acid alkyl or cholesteryl esters as

microbicides for foods and cosmetics
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
IN Takagi, Yoshiaki; Tokunaga, Hisatoku; Uejima, Takuo; Ono, Takeshi; Taoka, Ei; Watanabe, Akio
AN 1989:613621 HCAPLUS
DN 111:213621

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 01075404	A2	19890322	JP 1987-234138	19870918
JP 06080002	B4	19941012		

L49 ANSWER 84 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Dicarboxylic acid mono-2-(dodecyl(2-hydroxyethyl)amino) ethyl ester and its salts as corrosion inhibitors in aqueous systems
SO Ger. Offen., 12 pp.
CODEN: GWXXBX
IN Penninger, Josef; Wehle, Volker
AN 1990:11769 HCAPLUS
DN 112:11769

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 3734185	A1	19890427	DE 1987-3734185	19871009

L49 ANSWER 85 OF 151 MEDLINE on STN DUPLICATE 23
TI Identification of critical functional and regulatory domains in gelsolin.
SO The Journal of cell biology, (1989 May) Vol. 108, No. 5, pp. 1717-26.
Journal code: 0375356. ISSN: 0021-9525.
AU Kwiatkowski D J; Janmey P A; Yin H L
AN 89234161 MEDLINE

L49 ANSWER 86 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Studies on microbial production of undecane-1,11-dicarboxylic acid from N-tridecane
SO Shengwu Gongcheng Xuebao (1989), 5(3), 241-5
CODEN: SGXUED; ISSN: 1000-3061
AU Chen, Yuantong; Hao, Xiuzhen
AN 1990:19916 HCAPLUS
DN 112:19916

L49 ANSWER 87 OF 151 MEDLINE on STN DUPLICATE 24
TI Genetic analysis and regulation of the Rhizobium meliloti genes controlling C4-dicarboxylic acid transport.
SO Gene, (1989 Dec 21) Vol. 85, No. 1, pp. 135-44.
Journal code: 7706761. ISSN: 0378-1119.
AU Wang Y P; Birkenhead K; Boesten B; Manian S; O'Gara F
AN 90152354 MEDLINE

L49 ANSWER 88 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Dicarboxylic acid utilization and nitrogen fixation efficiency in Rhizobium-legume symbiosis
SO Comm. Eur. Communities, [Rep.] EUR (1988), EUR 11517, Physiol. Limitations Genet. Improv. Symbiotic Nitrogen Fixation, 149-57
CODEN: CECED9; ISSN: 0303-755X
AU O'Gara, F.; Birkenhead, K.; Wang, Y. P.; Condon, C.; Manian, S. S.
AN 1988:543523 HCAPLUS
DN 109:143523

L49 ANSWER 89 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Dicarboxylic acid transport genes;
plasmids encoding Rhizobium spp. dicarboxylic acid transport gene; bacterium transformation for improved nitrogen-fixation
AN 1988-04310 BIOTECHDS
PI EP 255340 3 Feb 1988

L49 ANSWER 90 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Aromatic polycarbonate and amorphous polyamide blends - containing polyamide polyether block copolymer, having improved impact resistance, useful as thermoplastic moulding compsn..
PI US 4749754 A 19880607 (198825)* 16
EP 301234 A 19890201 (198905) EN
R: DE FR GB IT NL
JP 01087655 A 19890331 (198919)
EP 301234 B1 19940323 (199412) EN 18 C08L077-00
R: DE FR GB IT NL
DE 3888592 G 19940428 (199418) C08L077-00
IN GALLUCCI, R R; MARESCA, L M

L49 ANSWER 91 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Novel polyester amide(s) and polyether ester amide(s) - prepared from di carboxylic polyamide, di-beta-hydroxy tert. amine and polyoxyalkylene glycol containing tert. amine gp..
PI EP 281461 A 19880907 (198836)* FR 17
R: AT BE CH DE ES FR GB IT LI NL SE
FR 2611727 A 19880909 (198843)
NO 8800147 A 19880919 (198843)
JP 63227626 A 19880921 (198844)
DK 8800979 A 19880827 (198846)
FI 8800893 A 19880827 (198848)
US 4839441 A 19890613 (198930) 10
CA 1311079 C 19921201 (199302) FR C08G069-44
EP 281461 B1 19930421 (199316) FR 21 C08G069-44
R: AT BE CH DE ES FR GB IT LI NL SE
DE 3880352 G 19930527 (199322) C08G069-44
ES 2054838 T3 19940816 (199434) C08G069-44
KR 9305139 B1 19930616 (199441) C08G063-16
IN CUZIN, D; JUDAS, D

L49 ANSWER 92 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Microbial reduction of carboxylic acids to alcohol(s) - using carbon mon oxide and/or formate in the presence of a mediator.
PI EP 279435 A 19880824 (198834)* GE 4
R: CH DE FR GB IT LI NL
DE 3705272 A 19880901 (198836)
JP 63216483 A 19880908 (198842)
US 4851344 A 19890725 (198937)
EP 279435 B1 19920805 (199232) GE 4 C12P007-02
R: CH DE FR GB IT LI NL
DE 3873371 G 19920910 (199238) C12P007-02
JP 2672319 B2 19971105 (199749) 3 C12P007-04
IN LEBERTZ, H; SIMON, H

L49 ANSWER 93 OF 151 MEDLINE on STN DUPLICATE 26
TI Symbiotic loci of Rhizobium meliloti identified by random TnphoA mutagenesis.
SO Journal of bacteriology, (1988 Sep) Vol. 170, No. 9, pp. 4257-65.
Journal code: 2985120R. ISSN: 0021-9193.
AU Long S; McCune S; Walker G C
AN 88314927 MEDLINE

L49 ANSWER 94 OF 151 MEDLINE on STN DUPLICATE 27
TI Dicarboxylic acid transport in Bradyrhizobium japonicum: use of Rhizobium meliloti dct gene(s) to enhance nitrogen fixation.
SO Journal of bacteriology, (1988 Jan) Vol. 170, No. 1, pp. 184-9.
Journal code: 2985120R. ISSN: 0021-9193.
AU Birkenhead K; Manian S S; O'Gara F
AN 88086866 MEDLINE

L49 ANSWER 95 OF 151 LIFESCI COPYRIGHT 2006 CSA on STN

TI From petroleum to muscone and related compounds.
HORIZONS OF BIOCHEMICAL ENGINEERING.
SO (1988) pp. 163-170.
ISBN: 0-19-856196-2.
AU Chiao, Jui-Shen; Aiba, S. [editor]
AN 88:38813 LIFESCI

L49 ANSWER 96 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Muconic acid preparation from the culture of Arthrobacter spp. or a mutant;
or from strains of Corynebacterium acetoacidophilum Corynebacterium lilium Brevibacterium or Microbacterium using benzoic acid as the C-source
AN 1986-08706 BIOTECHDS
PI DE 3541581 28 May 1986

L49 ANSWER 97 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Microbial rennet obtd. from Mucor pusillus - is improved by acylating with di carboxylic acid anhydride then oxidising with oxidising agent.
PI JP 61185186 A 19860818 (198639)* 22

L49 ANSWER 98 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Production of brassylic acid by fermentation
SO Bio Industry (1986), 3(12), 867-74
CODEN: BIINEG; ISSN: 0910-6545
AU Taoka, Akira
AN 1987:174559 HCAPLUS
DN 106:174559

L49 ANSWER 99 OF 151 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 28
TI DICARBOXYLIC-ACID TRANSPORT IN RHIZOBIUM-MELILOTI - ISOLATION OF MUTANTS AND CLONING OF DICARBOXYLIC-ACID TRANSPORT GENES
SO ARCHIVES OF MICROBIOLOGY, (MAR 1986) Vol. 144, No. 2, pp. 142-146.
ISSN: 0302-8933.
AU BOLTON E (Reprint); HIGGISSON B; HARRINGTON A; OGARA F
AN 1986:196483 SCISEARCH

L49 ANSWER 100 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Photochemistry of 3,4,9,10-perylenetetracarboxylic dianhydride dyes: visible absorption and fluorescence spectra and fluorescence quantum yields of the mono(n-octyl)imide derivative in aqueous and non-aqueous solutions
SO Journal of Photochemistry (1986), 34(1), 43-54
CODEN: JPCMAE; ISSN: 0047-2670
AU Ford, William E.
AN 1986:524065 HCAPLUS
DN 105:124065

L49 ANSWER 101 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Cathode depositing electrodeposition coating compsn. - has low temperature curability and high corrosion resistance.
PI EP 141601 A 19850515 (198520)* EN 56
R: DE GB
JP 60090273 A 19850521 (198526)
JP 60090274 A 19850521 (198526)
US 4543406 A 19850924 (198541)
JP 60219272 A 19851101 (198550)
EP 141601 B 19870527 (198721) EN
R: DE GB
DE 3463944 G 19870702 (198727)
JP 02038142 B 19900829 (199038)
JP 02046069 B 19901012 (199045)
JP 02046070 B 19901012 (199045)

IN ARAKI, Y; OMIKA, H; OSHIMA, A; OTSUKI, Y; TSUCHIYA, Y

L49 ANSWER 102 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Genes involved in the carbon metabolism of bacteroids
SO Nitrogen Fixation Res. Prog., Proc. Int. Symp., 6th (1985), 201-7.
Editor(s): Evans, Harold J.; Bottomley, Peter J.; Newton, William Edward.
Publisher: Nijhoff, Dordrecht, Neth.
CODEN: 54VZAZ
AU Ronson, Clive W.; Astwood, Patricia M.
AN 1986:103204 HCAPLUS
DN 104:103204

L49 ANSWER 103 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Molecular cloning and genetic organization of C4-dicarboxylate transport genes from Rhizobium leguminosarum
SO Adv. Mol. Genet. Bact.-Plant Interact., Proc. Int. Symp., 2nd (1985), Meeting Date 1984, 61-3. Editor(s): Szalay, Aladar A.; Legocki, Roman P.
Publisher: Boyce Thompson Inst. Plant Res., Ithaca, N. Y.
CODEN: 55IDAD
AU Ronson, Clive W.; Astwood, Patricia M.; Downie, J. Allan
AN 1987:44789 HCAPLUS
DN 106:44789

L49 ANSWER 104 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis of thermotropic polyesters
SO Acta Polymerica (1984), 35(10), 636-42
CODEN: ACPODY; ISSN: 0323-7648
AU Markova, G. D.; Keshelava, R. G.; Vasnev, V. A.; Vinogradova, S. V.; Korshak, V. V.; Borisov, G.; Sevriev, Kh.
AN 1984:611826 HCAPLUS
DN 101:211826

L49 ANSWER 105 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Diagenetic chemistry of the Paraiba Valley oil shale
SO Organic Geochemistry (1984), 6(Adv. Org. Geochem. 1983), 153-5
CODEN: ORGEDE; ISSN: 0146-6380
AU Chicarelli, M. I.; Damasceno, L. P.; Cardoso, J. N.
AN 1985:456460 HCAPLUS
DN 103:56460

L49 ANSWER 106 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI An isolating method for dicarboxylic acid;
from a fermentation broth
AN 1983-07579 BIOTECHDS
PI JP 58086090 23 May 1983

L49 ANSWER 107 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI A microbial preparation method for unsaturated dicarboxylic acid;
preparation of alpha,omega-linear unsaturated dicarboxylic acid from fatty acid using Candida tropicalis
AN 1984-01154 BIOTECHDS
PI JP 58165794 30 Sep 1983

L49 ANSWER 108 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Bicyclo[2.2.1]-7-oxaheptenes
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
AN 1984:119329 HCAPLUS
DN 100:119329

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 58134995	A2	19830811	JP 1982-12080	19820128

L49 ANSWER 109 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

TI Long chain di carboxylic acid preparation from oil and fat - by culturing Candida genus microorganism e.g. C, tropicalis 1098 (FERM-3291) in oil and fat-containing medium.
PI JP 58165795 A 19830930 (198345)* 5
JP 60008796 B 19850305 (198513)

L49 ANSWER 110 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Spontaneous 2:1 sequence-regulated copolymerization of cyclic imino ethers with cyclic carboxylic anhydrides
SO Macromolecules (1982), 15(3), 703-7
CODEN: MAMOBX; ISSN: 0024-9297
AU Kobayashi, Shiro; Isobe, Michihisa; Saegusa, Takeo
AN 1982:406817 HCAPLUS
DN 97:6817

L49 ANSWER 111 OF 151 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 30
TI STABILIZATION OF MICROBIAL PROTEASES AGAINST AUTOLYSIS USING ACYLATION WITH DICARBOXYLIC-ACID ANHYDRIDES
SO BIOTECHNOLOGY AND BIOENGINEERING, (1982) Vol. 24, No. 2, pp. 483-486. ISSN: 0006-3592.
AU MANEEPUN S (Reprint); KLIBANOV A M
AN 1982:75409 SCISEARCH

L49 ANSWER 112 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Removal of microbial cells from fermented broth of long chain dicarboxylic acid
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
AN 1981:513398 HCAPLUS
DN 95:113398

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 56026193	A2	19810313	JP 1979-101622	19790809
JP 57055399	B4	19821124		

L49 ANSWER 113 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Copper complexes, their use in controlling plant pests
SO Eur. Pat. Appl., 18 pp.
CODEN: EPXXDW
IN Kraft, Helmut; Schumacher, Heinz; Pommer, Ernst Heinrich; Schlotterbeck, Dietrich; Ley, Gregor
AN 1982:81340 HCAPLUS
DN 96:81340

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 39788	A2	19811118	EP 1981-102722	19810410
EP 39788	A3	19811125		
EP 39788	B1	19830928		
R: AT, BE, CH, DE, FR, IT, NL, SE				
DE 3017123	A1	19811105	DE 1980-3017123	19800503
DE 3022432	A1	19820107	DE 1980-3022432	19800614
DE 3039409	A1	19820519	DE 1980-3039409	19801018
AT 4766	E	19831015	AT 1981-102722	19810410

L49 ANSWER 114 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Refining long linear di carboxylic acids - prepared by fermentation, by dissolving initially separated acids in alkali and adding white clay to remove impurities.
PI JP 56026194 A 19810313 (198118)*
JP 57055400 B 19821124 (198250)

L49 ANSWER 115 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Recovery of di carboxylic acids prepared by fermentation - comprises adding inorganic acid, extracting the di carboxylic acid with aromatic

hydrocarbon solvent, and re-extracting into diol.
PI JP 56015695 A 19810214 (198114)*

L49 ANSWER 116 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Refining di carboxylic acid produced by fermentation - by adding inorganic acid to crystallise acid, extracting with organic hydrocarbon contacting with organic solvent and recrystallising.
PI JP 56015694 A 19810214 (198114)*

L49 ANSWER 117 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Refining di carboxylic acid prepared by fermentation - by adding inorganic acid, extracting with solvent, contacting with aldehyde cpd. and crystallising out acid.
PI JP 56015693 A 19810214 (198114)*

L49 ANSWER 118 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Refining di carboxylic acid obtd. by fermentation - by removing microbial body, regulating pH, crystallising out acid, heating and recrystallising.
PI JP 56011797 A 19810205 (198113)*

L49 ANSWER 119 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Fermentative production of di carboxylic acid - by culturing Candida tropicalis in liquid medium containing linear hydrocarbon at specified pH ranges.
PI JP 56011796 A 19810205 (198113)*
US 4339536 A 19820713 (198230)
JP 58029077 B 19830620 (198328)

L49 ANSWER 120 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Biochemical separation of L-menthol
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
AN 1981:14031 HCAPLUS
DN 94:14031

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 55048396	A2	19800407	JP 1978-121224	19781222

L49 ANSWER 121 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Polyester(s) useful for fibres and plastics - prepared by interfacial condensn. of aromatic di carboxylic acid halide or anhydride with bisphenol dissolved in specified solvents.
PI US 4201855 A 19800506 (198020)*
IN SEGAL, L

L49 ANSWER 122 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Radioactive labeling of acidic regions in the adenovirus hexon protein through metabolic conversion of [14C]-acetate
SO FEBS Letters (1978), 88(2), 237-41
CODEN: FEBLAL; ISSN: 0014-5793
AU Jornvall, Hans; Von Bahr-Lindstrom, Hedvig; Philipson, Lennart
AN 1978:402674 HCAPLUS
DN 89:2674

L49 ANSWER 123 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Microbial production of long-chain dicarboxylic acids from n-alkanes
SO Sekiyu to Biseibutsu (1978), 20, 13-16
CODEN: STBIDP
AU Uchio, Ryosuke
AN 1980:96378 HCAPLUS
DN 92:96378

L49 ANSWER 124 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Microbial production of dicarboxylic acid
SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF
IN Furukawa, Toshiro; Hiratsuka, Junzo; Deno, Hiroshi; Matsuyoshi, Toru; Kaneyuki, Hiroo
AN 1977:187699 HCAPLUS
DN 86:187699

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 52018885	A2	19770212	JP 1975-95053	19750806
JP 56008595	B4	19810224		

L49 ANSWER 125 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Prostaglandin derivatives preparation - by hydrolysing a cyclopentenone dicarboxylic acid ester derivative with either enzymes or microbes.
PI JP 52028993 A 19770304 (197715)*
JP 56008594 B 19810224 (198112)

L49 ANSWER 126 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Microbial prodn of dicarboxylic acid - from alkane or alcohol using Torulopsis bombicola strain.
PI US 3975234 A 19760817 (197635)*

L49 ANSWER 127 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Thick grease from lithium soaps
SO Fr. Demande, 15 pp.
CODEN: FRXXBL
AN 1976:47026 HCAPLUS
DN 84:47026

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 2255374	A1	19750718	FR 1973-46016	19731221
FR 2255374	B1	19800620		

L49 ANSWER 128 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Bis-ar-oxazolyl-para-poly-phenylenes, production - from di-carboxylic acid and ortho-amino-hydroxy cpds. and use as optical brighteners.
PI CH 559737 A 19750314 (197517)*

L49 ANSWER 129 OF 151 MEDLINE on STN DUPLICATE 31
TI 7alpha-Carboalkoxy steroidal spirolactones as aldosterone antagonists.
SO Journal of medicinal chemistry, (1975 Aug) Vol. 18, No. 8, pp. 817-21.
Journal code: 9716531. ISSN: 0022-2623.
AU Weier R M; Hofmann L M
AN 76007391 MEDLINE

L49 ANSWER 130 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Printing ink binder containing modified hydrocarbon resin - prepared from hydrocarbon resin with low indene content, unsaturated dicarboxylic acid, and phenol/aldehyde condensate.
PI NL 7317761 A 19740702 (197429)*
DE 2264284 A 19740718 (197430)
BE 809087 A 19740627 (197434)
FR 2212406 A 19740830 (197443)
JP 49101103 A 19740925 (197448)
GB 1458219 A 19761207 (197650)
JP 52020881 B 19770607 (197726)
NL 155878 B 19780215 (197811)
US 4197378 A 19800408 (198016)
DE 2264284 C 19820527 (198222)
US 4401791 A 19830830 (198337)
US 4506059 A 19850319 (198514)
JP 35106867 B 19850612 (198530)
JP 62009627 B 19870302 (198712)

L49 ANSWER 131 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN

TI Role of malic enzymic in Aspergillus nidulans
SO FEBS Letters (1974), 41(2), 238-42
CODEN: FEBLAL; ISSN: 0014-5793
AU McCullough, W.; Roberts, C. F.
AN 1974:422972 HCAPLUS
DN 81:22972

L49 ANSWER 132 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Biochemical and genetic characteristics of the C4-dicarboxylic acids transport system of Salmonella typhimurium
SO Archiv fuer Mikrobiologie (1973), 94(1), 65-76
CODEN: ARMKA7; ISSN: 0003-9276
AU Parada, Jose L.; Ortega, Manuel V.; Carrillo-Castaneda, Guillermo
AN 1974:130275 HCAPLUS
DN 80:130275

L49 ANSWER 133 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Two-stage preparation of high-dropping-point lithium soap grease
SO U.S., 3 pp.
CODEN: USXXAM
IN Gilani, Syed S. H.; Murray, Donald W.; Salva, Juan M.
AN 1972:542107 HCAPLUS
DN 77:142107

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 3681242	A	19720801	US 1971-110596	19710128

L49 ANSWER 134 OF 151 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI SYNTHESIS AND ANTI MICROBIAL ACTIVITY OF THIO CARBOHYDRAZIDE-1 5-DICARBOXYLIC-ACID DI ESTERS.
SO Journal of Pharmaceutical Sciences, (1972) Vol. 61, No. 9, pp. 1486-1487.
CODEN: JPMSAE. ISSN: 0022-3549.
AU LALEZARI I; REZVANI N; MALEKZADEH F
AN 1973:112853 BIOSIS

L49 ANSWER 135 OF 151 MEDLINE on STN
TI [Microbiological method of preparing 2,6-naphthalene dicarboxylic acid in co-oxidative conditions].
Mikrobiologicheskii sposob polucheniia 2,6-naftalindikarbonovoi kisloty v sookislitel'nykh usloviiakh.
SO Doklady Akademii nauk SSSR, (1972 Feb 1) Vol. 202, No. 4, pp. 973-4.
Journal code: 7505465. ISSN: 0002-3264.
AU Shriabin G K; Starovoitov I I; Golovleva L A
AN 72131260 MEDLINE

L49 ANSWER 136 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Strained ring systems. IX. Preparation of some 5-substituted bicyclo[3.1.0]hexane-1-carboxylic acids
SO Journal of Organic Chemistry (1970), 35(8), 2666-9
CODEN: JOCEAH; ISSN: 0022-3263
AU McDonald, Richard N.; Reitz, Robert R.
AN 1970:466111 HCAPLUS
DN 73:66111

L49 ANSWER 137 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Mass-spectrometric determination of amino acid sequences in peptides. XV. Fragmentation of peptides containing monoamino dicarboxylic acid groups
SO Zhurnal Obshchei Khimii (1970), 40(2), 443-60
CODEN: ZOKHA4; ISSN: 0044-460X
AU Shemyakin, M. M.; Ovchinnikov, Yu. A.; Kiryushkin, A. A.; Miroshnikov, A. I.; Rozynov, B. V.
AN 1970:133185 HCAPLUS
DN 72:133185

L49 ANSWER 138 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Two mutations affecting utilization of C4-dicarboxylic acids by Escherichia coli
SO Journal of General Microbiology (1970), 63(Pt. 2), 151-62
CODEN: JGMIAN; ISSN: 0022-1287
AU Herbert, A. A.; Guest, John R.
AN 1971:108535 HCAPLUS
DN 74:108535

L49 ANSWER 139 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis of polyamides from rigid and sterically hindered dicarboxylic acids and diamines under mild conditions
SO Journal of Polymer Science, Polymer Chemistry Edition (1969), 7(10), 2875-87
CODEN: JPLCAT; ISSN: 0449-296X
AU Overberger, Charles G.; Sebenda, Jan
AN 1970:3853 HCAPLUS
DN 72:3853

L49 ANSWER 140 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Curing profile of unsaturated polyester resins
SO Kunststoffe (1968), 58(12), 925-32
CODEN: KUNSAV; ISSN: 0023-5563
AU Demmler, Kurt; Ropte, Eckhard
AN 1969:88517 HCAPLUS
DN 70:88517

L49 ANSWER 141 OF 151 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI PREPARATION OF OPTICALLY ACTIVE DICARBOXYLIC-ACID MONO ESTERS BY MICROBIOLOGICAL PARTIAL SAPONIFICATION OF SYMMETRIC DICARBOXYLIC-ACID ESTERS CURVULARIA-LUNATA PENICILLIUM-ALBIDUM.
SO JUSTUS LIEBIGS ANN CHEM, (1968) No. 711, pp. 38-41.
AU KOSMOL H; KIESLICH K; GIBIAN H
AN 1969:100289 BIOSIS

L49 ANSWER 142 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of optically active dicarboxylic acid monoesters by microbiological partial saponification of symmetrical dicarboxylic acid esters
SO Justus Liebigs Annalen der Chemie (1968), 711, 38-41
CODEN: JLACBF; ISSN: 0075-4617
AU Kosmol, Horst; Kieslich, Klaus; Gibian, Heinz
AN 1968:95464 HCAPLUS
DN 68:95464

L49 ANSWER 143 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Optically active 8,8'-dimethyl-1,1'-binaphthyl. The energy barrier for racemization
SO Chemistry & Industry (London, United Kingdom) (1964), (32), 1426
CODEN: CHINAG; ISSN: 0009-3068
AU Badar, Yasmeen; Harris, Margaret M.
AN 1964:461276 HCAPLUS
DN 61:61276
OREF 61:10570b-d

L49 ANSWER 144 OF 151 MEDLINE on STN DUPLICATE 32
TI Microbial oxidation of glycollate via a dicarboxylic acid cycle.
SO Nature, (1960 Jan 16) Vol. 185, pp. 153-5.
Journal code: 0410462. ISSN: 0028-0836.
AU KORNBERG H L; SADLER J R
AN 60163706 MEDLINE

L49 ANSWER 145 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Ethylene oxide-α,β- dicarboxylic acid (fumarylglycidic acid) production by microbes. VI. Fermentation by Monilia formosa in the presence of radioactive carbon dioxide
SO Nippon Nogei Kagaku Kaishi (1954), 28, 376-82
CODEN: NNKKAA; ISSN: 0002-1407
AU Nomura, Masayasu; Takahashi, Hajime; Sakaguchi, Kinichiro
AN 1956:82973 HCAPLUS
DN 50:82973
OREF 50:15722a-c

L49 ANSWER 146 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Azo dye
IN Stusser, Richard
AN 1929:11205 HCAPLUS
DN 23:11205
OREF 23:1281d-e

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 469340		19281208	DE 1927-I30579	19270311

L49 ANSWER 147 OF 151 NTIS COPYRIGHT 2006 NTIS on STN
TI Microbial Utilization of Benzoic Acid.
NR PB86-239340/XAB
8p; c1985
AU Yoshikawa, N.
AN 1986(19):00970 NTIS

L49 ANSWER 148 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Microbiological 1-dehydrogenation of 4,9 (11)-pregnadienes - using septomyxa affinis.

PI	US 3770586	A		(197346)*
	JP 49046076	B	19741207	(197502)

L49 ANSWER 149 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI 2,6-naphthalene dicarboxylic acid (i) prodn - by microbiological oxidn of 2,6-dimethylnaphthalene.

PI	SU 370228	A		(197344)*

L49 ANSWER 150 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Sequenced copolyester - contg units from polyoxyalkylene glycol, aromatic dicarboxylic acid and low m wt diol.

PI	BE 793332	A		(197324)*
	NL 7300516	A		(197333)
	DE 2263046	A		(197335)
	ZA 7300083	A		(197343)
	FR 2169052	A		(197347)
	JP 48084195	A	19731108	(197403)
	US 3784520	A	19740108	(197403)
	GB 1403210	A	19750820	(197534)
	AR 203264	A	19750829	(197616)
	CA 987830	A	19760420	(197619)
	DE 2263046	B	19780817	(197834)
	NL 162941	B	19800215	(198010)

L49 ANSWER 151 OF 151 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Block polymers-of unsymmetrical and non-linear structure.

PI	BE 767474	A		(197147)*
	DE 2125344	A		(197149)
	NL 7106861	A		(197149)
	JP 46007289	A		(197202)
	ZA 7103278	A		(197206)
	FR 2093581	A		(197217)
	GB 1312854	A		(197315)

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     CA 997889        A  19760928 (197642)
     NL 162935        B  19800215 (198010)
     JP 55030005      B  19800807 (198036)
     DE 2125344       C  19820204 (198206)


=> s pox4?
FILE 'MEDLINE'
L50          14 POX4?

FILE 'SCISEARCH'
L51           7 POX4?

FILE 'LIFESCI'
L52          11 POX4?

FILE 'BIOTECHDS'
L53          10 POX4?

FILE 'BIOSIS'
L54          18 POX4?

FILE 'EMBASE'
L55          12 POX4?

FILE 'HCAPLUS'
L56          32 POX4?

FILE 'NTIS'
L57           0 POX4?

FILE 'ESBIOBASE'
L58           6 POX4?

FILE 'BIOTECHNO'
L59          11 POX4?

FILE 'WPIDS'
L60          10 POX4?

TOTAL FOR ALL FILES
L61         131 POX4?

=> s l61 and (candida or tropicalis or promoter?)
FILE 'MEDLINE'
         35763 CANDIDA
          2622 TROPICALIS
        128040 PROMOTER?
L62          12 L50 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'SCISEARCH'
         30406 CANDIDA
          2646 TROPICALIS
        135187 PROMOTER?
L63           6 L51 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'LIFESCI'
         14778 CANDIDA
          1585 TROPICALIS
         71444 PROMOTER?
L64           8 L52 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'BIOTECHDS'
          7866 CANDIDA
           670 TROPICALIS
```

```
         37790 PROMOTER?
L65         10 L53 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'BIOSIS'
         47100 CANDIDA
          5546 TROPICALIS
        140707 PROMOTER?
L66         13 L54 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'EMBASE'
         34380 CANDIDA
          2863 TROPICALIS
        109197 PROMOTER?
L67          9 L55 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'HCAPLUS'
         38754 CANDIDA
          4595 TROPICALIS
        197199 PROMOTER?
L68         24 L56 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'NTIS'
           207 CANDIDA
            18 TROPICALIS
          1762 PROMOTER?
L69          0 L57 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'ESBIOBASE'
          9887 CANDIDA
          1053 TROPICALIS
         74585 PROMOTER?
L70          4 L58 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'BIOTECHNO'
          7887 CANDIDA
           839 TROPICALIS
         76660 PROMOTER?
L71          9 L59 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

FILE 'WPIDS'
          6985 CANDIDA
           574 TROPICALIS
         39911 PROMOTER?
L72          9 L60 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

TOTAL FOR ALL FILES
L73        104 L61 AND (CANDIDA OR TROPICALIS OR PROMOTER?)

=> s l73 not 2003-2006/py
FILE 'MEDLINE'
       2108991 2003-2006/PY
                 (20030000-20069999/PY)
L74         12 L62 NOT 2003-2006/PY

FILE 'SCISEARCH'
       3861676 2003-2006/PY
                 (20030000-20069999/PY)
L75          6 L63 NOT 2003-2006/PY

FILE 'LIFESCI'
        351389 2003-2006/PY
L76          8 L64 NOT 2003-2006/PY

FILE 'BIOTECHDS'
         90994 2003-2006/PY
```

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L77          7 L65 NOT 2003-2006/PY

FILE 'BIOSIS'
       1749059 2003-2006/PY
L78         13 L66 NOT 2003-2006/PY

FILE 'EMBASE'
       1809766 2003-2006/PY
L79          9 L67 NOT 2003-2006/PY

FILE 'HCAPLUS'
       4008365 2003-2006/PY
L80         18 L68 NOT 2003-2006/PY

FILE 'NTIS'
         48776 2003-2006/PY
L81          0 L69 NOT 2003-2006/PY

FILE 'ESBIOBASE'
       1064975 2003-2006/PY
L82          4 L70 NOT 2003-2006/PY

FILE 'BIOTECHNO'
        122467 2003-2006/PY
L83          9 L71 NOT 2003-2006/PY

FILE 'WPIDS'
       3640505 2003-2006/PY
L84          4 L72 NOT 2003-2006/PY

TOTAL FOR ALL FILES
L85         90 L73 NOT 2003-2006/PY

=> dup rem l85
PROCESSING COMPLETED FOR L85
L86          26 DUP REM L85 (64 DUPLICATES REMOVED)

=> d tot

L86  ANSWER 1 OF 26     MEDLINE on STN                  DUPLICATE 1
TI   Analysis of POX4 and POX5 gene encoded proteins of
     Candida tropicalis 1230.
SO   Wei sheng wu xue bao = Acta microbiologica Sinica, (2002 Apr) Vol. 42, No.
     2, pp. 193-9.
     Journal code: 21610860R. ISSN: 0001-6209.
AU   Qin Wenyan; Ren Gang; Rong Dong; Chen Yuantong
AN   2003048723     MEDLINE

L86   ANSWER 2 OF 26  BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI    Purification and recovery of dicarboxylic acids, particularly long chain
      dicarboxylic acids, from a feed containing dicarboxylic acids and at
      least one impurity by melt crystallization;
         for use in DNA purification
AU    Kozak W G; Rebrovic L; Gottman A M; Staley M D
AN    2001-09214  BIOTECHDS
PI    WO 2001021572 29 Mar 2001

L86  ANSWER 3 OF 26     MEDLINE on STN                  DUPLICATE 3
TI   Repression of fatty-acyl-CoA oxidase-encoding gene expression is not
     necessarily a determinant of high-level production of dicarboxylic acids
     in industrial dicarboxylic-acid-producing Candida
     tropicalis.
SO   Applied microbiology and biotechnology, (2001 Aug) Vol. 56, No. 3-4, pp.
     478-85.
     Journal code: 8406612. ISSN: 0175-7598.
```

AU Hara A; Ueda M; Matsui T; Arie M; Saeki H; Matsuda H; Furuhashi K; Kanai T; Tanaka A
AN 2001499377 MEDLINE

L86 ANSWER 4 OF 26 MEDLINE on STN DUPLICATE 4
TI Novel and convenient methods for Candida tropicalis gene disruption using a mutated hygromycin B resistance gene.
SO Archives of microbiology, (2001 Nov) Vol. 176, No. 5, pp. 364-9. Journal code: 0410427. ISSN: 0302-8933.
AU Hara A; Arie M; Kanai T; Matsui T; Matsuda H; Furuhashi K; Ueda M; Tanaka A
AN 2001648937 MEDLINE

L86 ANSWER 5 OF 26 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
TI Carboxylic acid recovery involves adjusting viscosity of fermentation broth and contacting with liquid extractant.
PI WO 2000020620 A2 20000413 (200028)* EN 35 C12P017-00
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
AU 9963871 A 20000426 (200036) C12P017-00
IN KOZAK, W G; REBROVIC, L; STALEY, M D; VICE, G H

L86 ANSWER 6 OF 26 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Involvement of acyl coenzyme A oxidase isozymes in biotransformation of methyl ricinoleate into gamma-decalactone by Yarrowia lipolytica
SO APPLIED AND ENVIRONMENTAL MICROBIOLOGY, (MAR 2000) Vol. 66, No. 3, pp. 1233-1236.
ISSN: 0099-2240.
AU Wache Y (Reprint); Laroche C; Bergmark K; Moller-Andersen C; Aguedo M; Le Dall M T; Wang H J; Nicaud J M; Belin J M
AN 2000:184408 SCISEARCH

L86 ANSWER 7 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 5
TI Process for making polycarboxylic acids
SO U.S., 11 pp., Cont. of U.S. Ser. No. 757,555, abandoned.
CODEN: USXXAM
IN Anderson, Kevin W.; Wenzel, J. Douglas; Fayter, Richard G.; McVay, Kenneth R.
AN 1999:633278 HCAPLUS
DN 131:256409

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 5962285	A	19991005	US 1998-106611	19980623
CA 2343315	AA	20000323	CA 1998-2343315	19980917
WO 2000015828	A1	20000323	WO 1998-US18494	19980917
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9894741	A1	20000403	AU 1998-94741	19980917
EP 1114174	A1	20010711	EP 1998-948100	19980917
R: AT, DE, DK, ES, FR, GB, IT, NL, IE, FI				
JP 2002525069	T2	20020813	JP 2000-570355	19980917
IN 187718	A	20020615	IN 1998-MA2153	19980924

L86 ANSWER 8 OF 26 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN

TI Production of mono- and di-carboxylic alkanoic acids in new engineered yeast;
vector plasmid-mediated cytochrome-P450-monooxygenase and cytochrome-P450-reductase gene transfer and expression in Pichia pastoris and Candida maltosa
AU Fallon R D; Payne M S; Picataggio S K; Wu S
AN 1999-04979 BIOTECHDS
PI WO 9904014 28 Jan 1999

L86 ANSWER 9 OF 26 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Controlling germination of seeds by transforming with construct encoding germination-inhibitor;
and restorer gene inducible expression in a transgenic plant; soybean acyl-CoA-oxidase gene transfer
AU Agarwal A K; Brown S M; Qi Y
AN 1998-02208 BIOTECHDS
PI WO 9744465 27 Nov 1997

L86 ANSWER 10 OF 26 MEDLINE on STN DUPLICATE 7
TI Gene analysis of an NADP-linked isocitrate dehydrogenase localized in peroxisomes of the n-alkane-assimilating yeast Candida tropicalis.
SO European journal of biochemistry / FEBS, (1997 Nov 15) Vol. 250, No. 1, pp. 205-11.
Journal code: 0107600. ISSN: 0014-2956.
AU Kawachi H; Shimizu K; Atomi H; Sanuki S; Ueda M; Tanaka A
AN 1998092307 MEDLINE

L86 ANSWER 11 OF 26 LIFESCI COPYRIGHT 2006 CSA on STN
TI Cloning and characterization of the POX2 gene in Candida maltosa
SO GENE, (1996) vol. 167, no. 1-2, pp. 157-161.
ISSN: 0378-1119.
AU Masuda, Y.; Park, S.M.; Ohta, A.; Takagi, M.
AN 96:26410 LIFESCI

L86 ANSWER 12 OF 26 MEDLINE on STN DUPLICATE 8
TI Cloning and characterization of the POX2 gene in Candida maltosa.
SO Gene, (1995 Dec 29) Vol. 167, No. 1-2, pp. 157-61.
Journal code: 7706761. ISSN: 0378-1119.
AU Masuda Y; Park S M; Ohta A; Takagi M
AN 96144267 MEDLINE

L86 ANSWER 13 OF 26 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Production of saturated and unsaturated dicarboxylic acids by a metabolically-engineered strain of Candida tropicalis
;
metabolic engineering for improved dicarboxylic acid production from fatty acid by omega-oxidation (conference abstract)
SO Abstr.Pap.Am.Chem.Soc.; (1992) 203 Meet., Pt.1, BIOT143
CODEN: ACSRAL
AU Eirich L D; Lanning D M; Deanda K; Rohrer T; Mielenz J R; Picataggio S
AN 1992-08706 BIOTECHDS

L86 ANSWER 14 OF 26 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Method for increasing omega-hydroxylase activity;
cytochrome-P450-ALK1, cytochrome-P450-ALK2 and/or cytochrome-P450-RED gene cloning in Candida tropicalis via gene disruption; gene dosage effect; alpha,omega-dicarboxylic acid production
AN 1992-00388 BIOTECHDS
PI WO 9114781 3 Oct 1991

L86 ANSWER 15 OF 26 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
TI Site-specific modification of the Candida tropicalis

genome;
POX4A, POX4B and POX5 beta-oxidation pathway gene disruption method; URA3, URA3B or HIS4 auxotrophy; alpha,omega-dicarboxylic acid preparation using mutant
AN 1991-09454 BIOTECHDS
PI WO 9106660 16 May 1991

L86 ANSWER 16 OF 26 MEDLINE on STN DUPLICATE 11
TI Determination of Candida tropicalis acyl coenzyme A oxidase isozyme function by sequential gene disruption.
SO Molecular and cellular biology, (1991 Sep) Vol. 11, No. 9, pp. 4333-9.
Journal code: 8109087. ISSN: 0270-7306.
AU Picataggio S; Deanda K; Mielenz J
AN 91342632 MEDLINE

L86 ANSWER 17 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN
TI Assignment of most genes encoding major peroxisomal polypeptides to chromosomal band V of the asporogenic yeast Candida tropicalis
SO Yeast (1991), 7(5), 503-11
CODEN: YESTE3; ISSN: 0749-503X
AU Kamiryo, Tatsuyuki; Mito, Naruo; Niki, Toshiro; Suzuki, Takahito
AN 1991:528920 HCAPLUS
DN 115:128920

L86 ANSWER 18 OF 26 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI MECHANISM OF INDUCTION OF ACYL-COA OXIDASE BY PEROXISOME PROLIFERATORS.
SO Journal of Cell Biology, (1991) Vol. 115, No. 3 PART 2, pp. 234A.
Meeting Info.: ABSTRACTS OF PAPERS PRESENTED AT THE THIRTY-FIRST ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY, BOSTON, MASSACHUSETTS, USA, DECEMBER 8-12, 1991. J CELL BIOL.
CODEN: JCLBA3. ISSN: 0021-9525.
AU WANG T W [Reprint author]; LEWIN A S; SMALL G M
AN 1992:65859 BIOSIS

L86 ANSWER 19 OF 26 MEDLINE on STN DUPLICATE 12
TI Structure and transcriptional control of the Saccharomyces cerevisiae POX1 gene encoding acyl-coenzyme A oxidase.
SO Gene, (1990 Apr 16) Vol. 88, No. 2, pp. 247-52.
Journal code: 7706761. ISSN: 0378-1119.
AU Dmochowska A; Dignard D; Maleszka R; Thomas D Y
AN 90269614 MEDLINE

L86 ANSWER 20 OF 26 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN DUPLICATE 13
TI EXPRESSION AND TRANSPORT OF CANDIDA-TROPICALIS PEROXISOMAL ACYL COENZYME A OXIDASE IN THE YEAST CANDIDA -MALTOSA.
SO Agricultural and Biological Chemistry, (1989) Vol. 53, No. 1, pp. 179-186.
CODEN: ABCHA6. ISSN: 0002-1369.
AU KAMIRYO T [Reprint author]; SAKASEGAWA Y; TAN H
AN 1989:244885 BIOSIS

L86 ANSWER 21 OF 26 LIFESCI COPYRIGHT 2006 CSA on STN
TI Expression and transport of Candida tropicalis peroxisomal acyl-coenzyme A oxidase in the yeast Candida maltosa .
SO AGRIC. BIOL. CHEM., (1989) vol. 53, no. 1, pp. 171-186.
AU Kamiryo, T.; Sakasegawa, Y.; Tan, H.
AN 89:59822 LIFESCI

L86 ANSWER 22 OF 26 MEDLINE on STN DUPLICATE 14
TI Acyl-CoA oxidase contains two targeting sequences each of which can mediate protein import into peroxisomes.

SO The EMBO journal, (1988 Apr) Vol. 7, No. 4, pp. 1167-73.
Journal code: 8208664. ISSN: 0261-4189.
AU Small G M; Szabo L J; Lazarow P B
AN 88296421 MEDLINE

L86 ANSWER 23 OF 26 MEDLINE on STN DUPLICATE 15
TI Import of the carboxy-terminal portion of acyl-CoA oxidase into peroxisomes of Candida tropicalis.
SO The Journal of cell biology, (1987 Jul) Vol. 105, No. 1, pp. 247-50.
Journal code: 0375356. ISSN: 0021-9525.
AU Small G M; Lazarow P B
AN 87280361 MEDLINE

L86 ANSWER 24 OF 26 MEDLINE on STN DUPLICATE 16
TI The primary structure of a peroxisomal fatty acyl-CoA oxidase from the yeast Candida tropicalis pK233.
SO Gene, (1987) Vol. 51, No. 2-3, pp. 119-28.
Journal code: 7706761. ISSN: 0378-1119.
AU Murray W W; Rachubinski R A
AN 87248070 MEDLINE

L86 ANSWER 25 OF 26 MEDLINE on STN DUPLICATE 17
TI Peroxisomal acyl-coenzyme A oxidase multigene family of the yeast Candida tropicalis; nucleotide sequence of a third gene and its protein product.
SO Gene, (1987) Vol. 58, No. 1, pp. 37-44.
Journal code: 7706761. ISSN: 0378-1119.
AU Okazaki K; Tan H; Fukui S; Kubota I; Kamiryo T
AN 88084444 MEDLINE

L86 ANSWER 26 OF 26 MEDLINE on STN DUPLICATE 18
TI Two acyl-coenzyme A oxidases in peroxisomes of the yeast Candida tropicalis: primary structures deduced from genomic DNA sequence.
SO Proceedings of the National Academy of Sciences of the United States of America, (1986 Mar) Vol. 83, No. 5, pp. 1232-6.
Journal code: 7505876. ISSN: 0027-8424.
AU Okazaki K; Takechi T; Kambara N; Fukui S; Kubota I; Kamiryo T
AN 86149279 MEDLINE

=> d ab 2,3,7,13,14

L86 ANSWER 2 OF 26 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
AB Dicarboxylic acids, particularly long chain dicarboxylic acids, are recovered from a feed containing dicarboxylic acids and at least one impurity. The method utilizes melt crystallization. Also claimed is a composition of two or more dicarboxylic acids such as octanedioic acid, nonanedion acid and decanedioic acid, etc. The method is used for the purification and recovery of dicarboxylic acids from a feed. The method does not require the use of organic solvents and achieves very high purities of dicarboxylic acids as a final product. The microorganism is a yeast cell such as Candida tropicalis cell. The C. tropicalis cell is partially or completely beta-oxidation blocked cell in which both copies of the chromosomal POX5 gene and the chromosomal POX4A and POX4B gene are disrupted. The feed is obtained by fermenting with a microorganism in a culture medium comprising a N-source, an organic substrate and optionally a co-substrate. (25pp)

L86 ANSWER 3 OF 26 MEDLINE on STN DUPLICATE 3
AB The synthesis of dicarboxylic acids (DCAs) in Candida tropicalis is thought to be induced by a decrease in fatty acyl-CoA-oxidase activity. However, in the present study we demonstrate that repression of the POX4 gene, encoding fatty acyl-CoA oxidase, does not directly lead to high-level production of DCAs. No

fatty acyl-CoA-oxidase activity was detected if the POX4 gene of C. tropicalis strain 1098 (wild-type strain) was disrupted. Furthermore, introduction of the POX4 gene from C. tropicalis strain M1210A3, which is a mutant derived from strain 1098 and is used as an industrial DCA-producing strain, still exhibited low-level fatty acyl-CoA-oxidase activity. Nevertheless, production of DCA was not observed in either case. Furthermore, the increase in acyl-CoA-oxidase activity by expression of the POX4 gene in strain M1210A3 did not reduce high-level production of DCA. These results suggest that alterations in acyl-CoA-oxidase activity are not necessarily related to production of DCA in industrial DCA-producing C. tropicalis M1210A3.

L86 ANSWER 7 OF 26 HCAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 5
AB Aliphatic polycarboxylic acids are made by a process comprising the steps of: (1) fermenting a β-oxidation-blocked Candida tropicalis cell wherein both copies of the chromosomal POX5 gene and the chromosomal POX4A and POX4B genes are disrupted in a culture medium comprised of a N source, an organic substrate, and a cosubstrate wherein the substrate is an unsatd. aliphatic compound having ≥1 internal C=C double bond and ≥1 terminal Me group, a terminal -COOH group, and/or a terminal functional group which is oxidizable to a -COOH group by biooxidn. and (2) reacting the product of step (1) with an oxidizing agent to produce one or more polycarboxylic acids.

L86 ANSWER 13 OF 26 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
AB Candida tropicalis can readily degrade fatty acids via beta-oxidation. However, some strains can produce small amounts of dicarboxylic acids via a competing omega-oxidation pathway. Attempts to improve dicarboxylic acid production by classical mutagenesis have not been successful in the past. A genetic transformation system was tested for sequential disruption of the POX4 and POX 5 genes encoding 2 acyl-CoA-oxidase isozymes which catalyze the first reaction step in the beta-oxidation pathway. The resultant strain produced high levels of dicarboxylic acids from either long-chain alkanes (C12-14) or saturated and unsaturated fatty acids (C14-2) without the problems of substrate loss, chain shortening and internal chain modifications typically encountered with classically mutated strains. In addition, amplification of the genes encoding the cytochrome-P450 and reductase components of the rate-limiting step of the omega-oxidation pathway resulted in a 25-30% improvement in productivity. (0 ref)

L86 ANSWER 14 OF 26 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
AB Omega-hydroxylase activity in Candida tropicalis is increased by increasing the gene dosage of at least 1 cytochrome-P450 gene. A new, transformed C. tropicalis strain contains at least 1 copy of the P450-ALK1 or P450-ALK2 and/or P450-RED genes, with disruption of host chromosomal POX4A, POX4B and/or POX5 genes. A new process for increasing the production rate of a pure long-chain alpha,omega-dicarboxylic acid comprises growth of the new strains in a culture medium containing an N-source, an organic substrate and a co-substrate. The C. tropicalis strain may be SU-2, H41, H41B, H43, H51, H53, H45, H534, H534B, H435 or H5343. The initial pH of the culture is 6.5, and is raised to and maintained at 8.3-8.8 after maximal cell density is reached. The substrate concentration is 10-20 g/l, and the co-substrate is added at 1.5-1.75 g/hr.l alkaline medium. The substrate is a 4-22C alkane or ester, or a 12-18C fatty acid, e.g. dodecane, tridecane, tetradecane, methyl myristate, methyl palmitate, methyl palmitoleate, methyl oleate, oleic acid, linoleic acid, linolenic acid, palmitoleic acid, palmitic acid or myristic acid. (52pp)

=> d ab 19,38 149

L49 ANSWER 19 OF 151 HCAPLUS COPYRIGHT 2006 ACS on STN
AB The process comprises culturing Candida tropicalis mutant PF-UV-56 in culture medium, fermenting in fermentation medium at 29-32°, pH 4.5-6.5, and 0.01-0.1 MPa for 12-20 h, regulating pH to 7.0, fermenting under complementing or adding batchedly 5-15 g/L C1-3 carboxylate or alc. as the second C-source before 1-3 h of production of long-chain dicarboxylic acid and controlling alkane content at 10-15%, and separating The C. tropicalis mutant PF-UV-56 does not use alkane as the C source. The culture medium is composed of sucrose 10-40, phosphate 2- 10, yeast extract 1-3, corn slurry 1-3, urea 1-4, NaCl 0.5-1.5, MgSO4 7H2O 0.5-3 g/L, vitamin B1 20-200 ppm, and C12- 15 alkane 0-50 mL/L. The fermentation medium is composed of sucrose 20-40, phosphate 2-10, yeast extract 0.5-2, corn slurry 0.5-2, urea 1-2, NaCl 0.5-2.5, MgSO4 7H2O 0.5-2, ammonium salt 2-8, C1-3 carboxylate or alc. 5-15 g/L, vitamin B1 20-200 ppm, and C12-15 alkane 50-350 mL/L.

L49 ANSWER 38 OF 151 BIOTECHDS COPYRIGHT 2006 THE THOMSON CORP. on STN
AB A new microorganism co-culture method for the production of long-chain alpha,omega-dicarboxylic acid, especially dodecadiatomic acid (DC12), production is claimed. Candida tropicalis is inoculated into a culture medium, whose matrix is n-alkanes containing 11-18C. The pH is controlled to 6.0-6.8 for thallus growth as a priority, and diatomic acids are supplied by limited output. When the optical density of thallus growth at an optical density (X30, 620 nm) reaches 0.2 and the pH is controlled at 7.0-7.8, different diatomic acids with the same chain length as the matrix are produced in high yield. After incubation for 40 hr, when the acid output reaches 33.3 g/l, then the output of acid is transferred for fermentation as a priority and can reach 145 g/l in 130 hr.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.18	371.17

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.75	-1.50

STN INTERNATIONAL LOGOFF AT 13:49:05 ON 28 JUN 2006